## INTERNATIONAL SEARCH REPORT



| erite | mational application No. |
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|       | KR02/02427               |

## A. CLASSIFICATION OF SUBJECT MATTER

#### IPC7 G01N 33/574

According to International Patent Classification (IPC) or to both national classification and IPC

### B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

G01N 33/574, G01N 15/00, G06F 17/40, C12Q, C12N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Korean Patents and applications for inventions since 1975, Korean Utility models and application for Utility models since 1975.

Japanese Utility models and applications for Utility models since 1975.

Electronic data base consulted during the intertnational search (name of data base and, where practicable, search terms used) eKIPASS

### C. DOCUMENTS CONSIDERED TO BE RELEVANT

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|                            | Further documents are listed in the continuation of Box C.                                      |     | X See patent family annex.  |  |
|----------------------------|---|-----|---|--|
| *                          | Special categories of cited documents:  | "T" |   |  |
| "A"                        | document defining the general state of the art which is not considered                          |     | date and not in conflict with the application but cited to understand   |  |
|                            | to be of particular relevance   |     | the principle or theory underlying the invention  |  |
| "E"                        | "E" earlier application or patent but published on or after the international filing date       |     | (" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive |  |
| "L"                        |   |     | step when the document is taken alone   |  |
|                            | cited to establish the publication date of citation or other special reason (as specified)      |     | document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is        |  |
| "О"                        | •   |     | combined with one or more other such documents, such combination being obvious to a person skilled in the art                         |  |
| "P"                        | document published prior to the international filing date but later                             | "&" |   |  |
| -                          | than the priority date claimed  |     |   |  |
| Date                       | Date of the actual completion of the international search                                       |     | ate of mailing of the international search report   |  |
| 19 APRIL 2003 (19.04.2003) |   |     | 21 APRIL 2003 (21.04.2003)  |  |
| Nar                        | Name and mailing address of the ISA/KR  |     | uthorized officer   |  |
| 1                          | Korean Intellectual Property Office 920 Dunsan-dong, Seo-gu, Daejeon 302-701, Republic of Korea |     | JOO, Young Sik  |  |

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